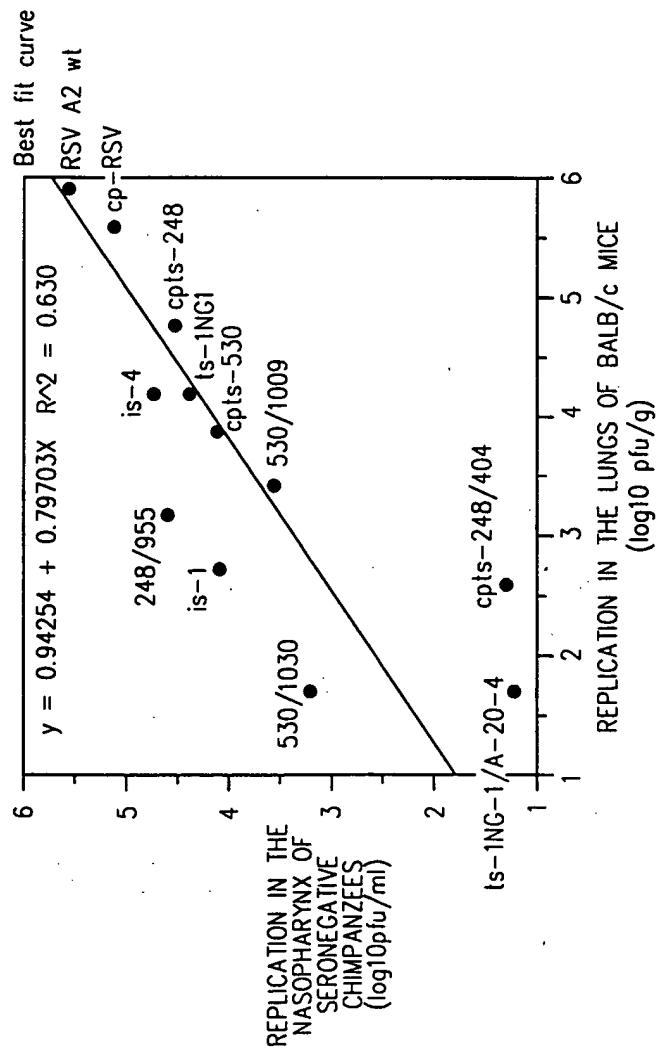
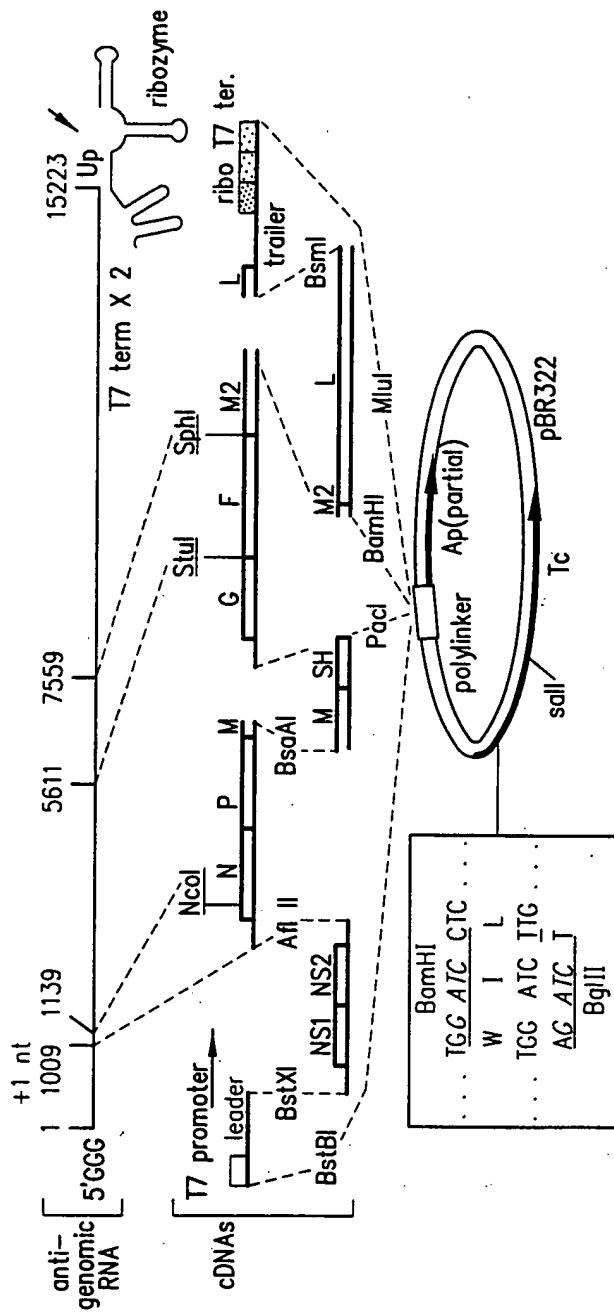


**FIG. 1**



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FIG. 2



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FIG. 3

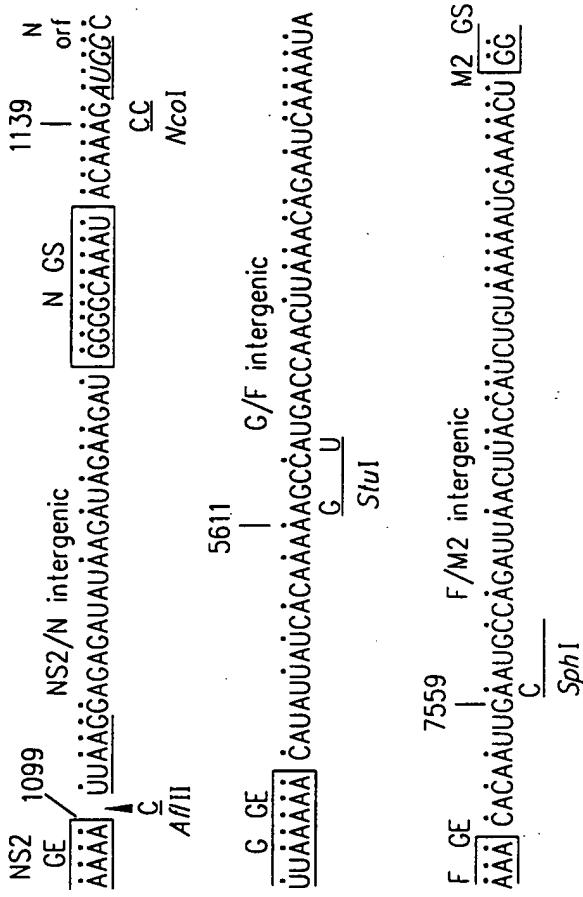
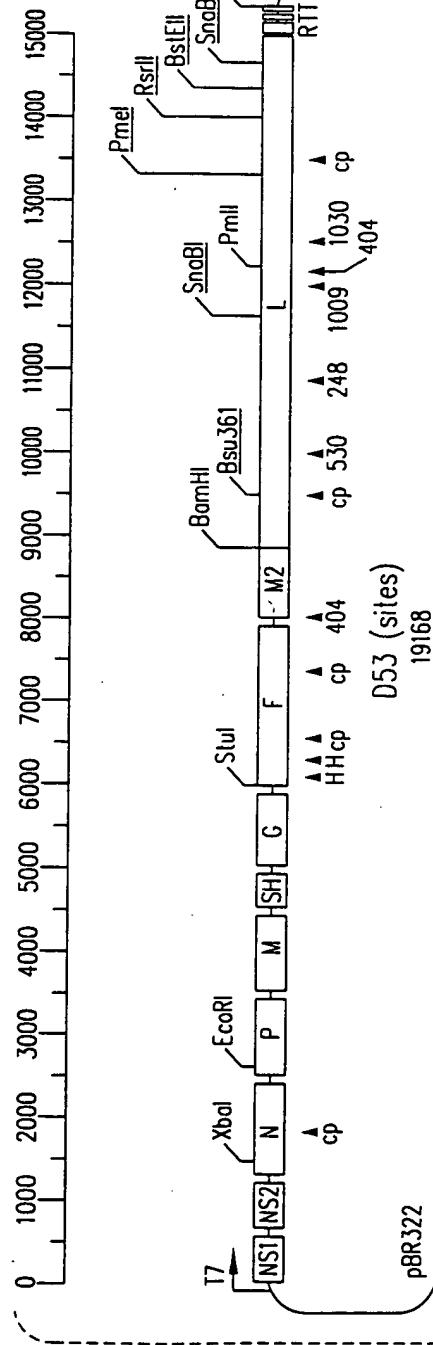
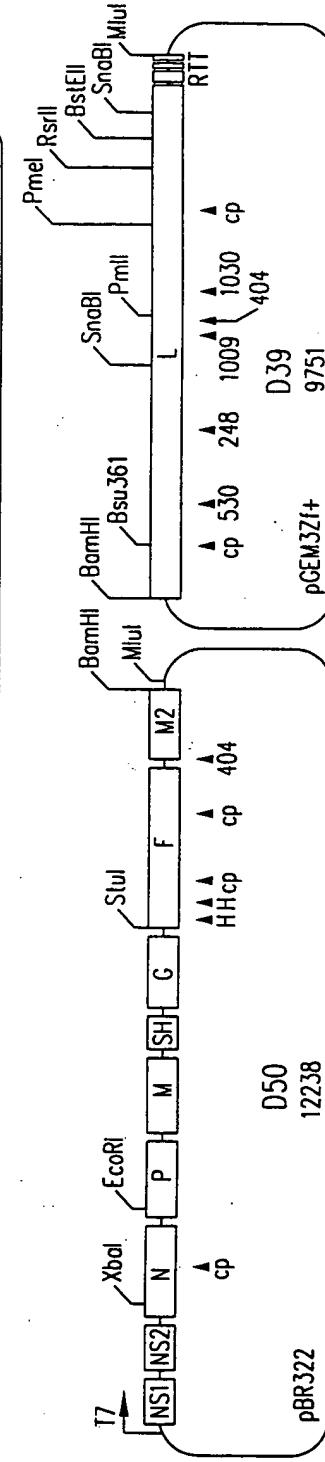


FIG. 4A

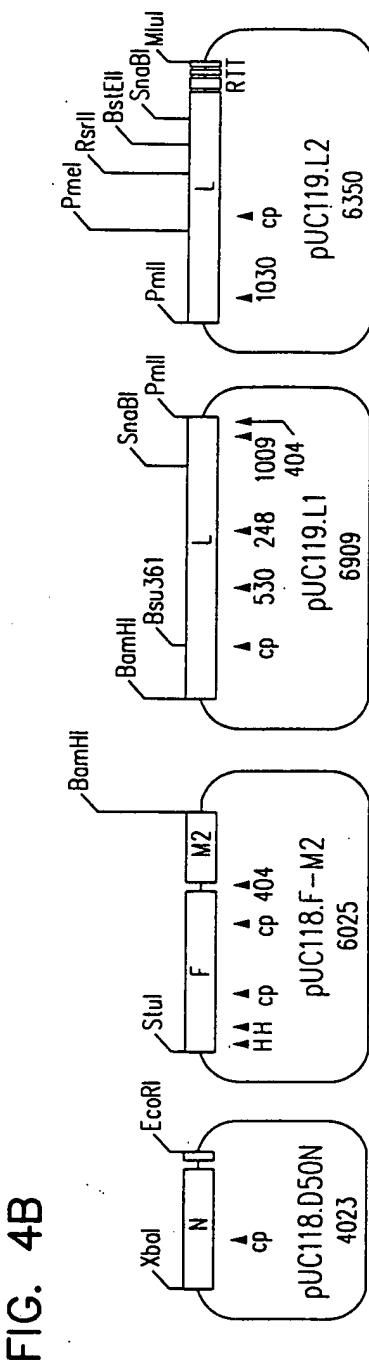


pBR322



pGEM3Z+

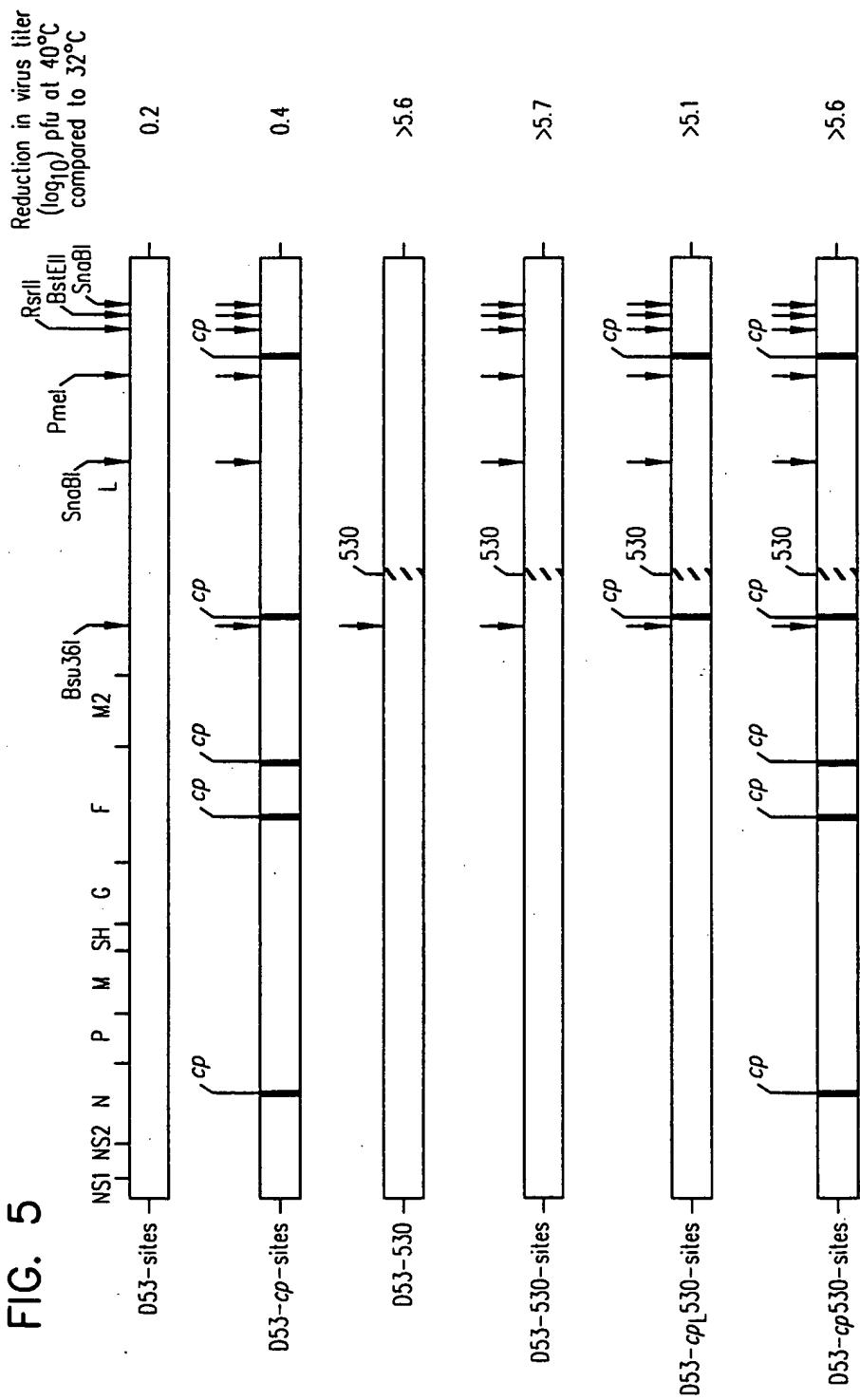
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**FIG. 4B**

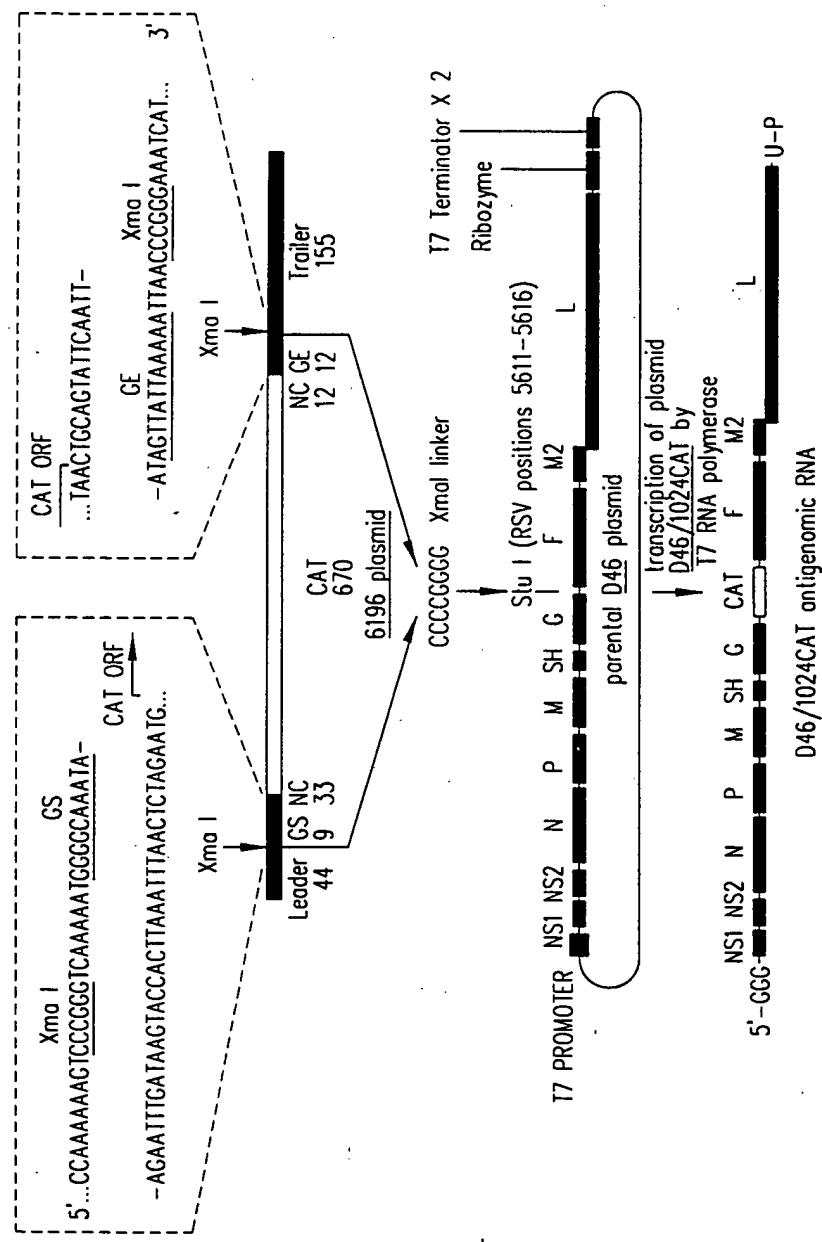
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**FIG. 5**



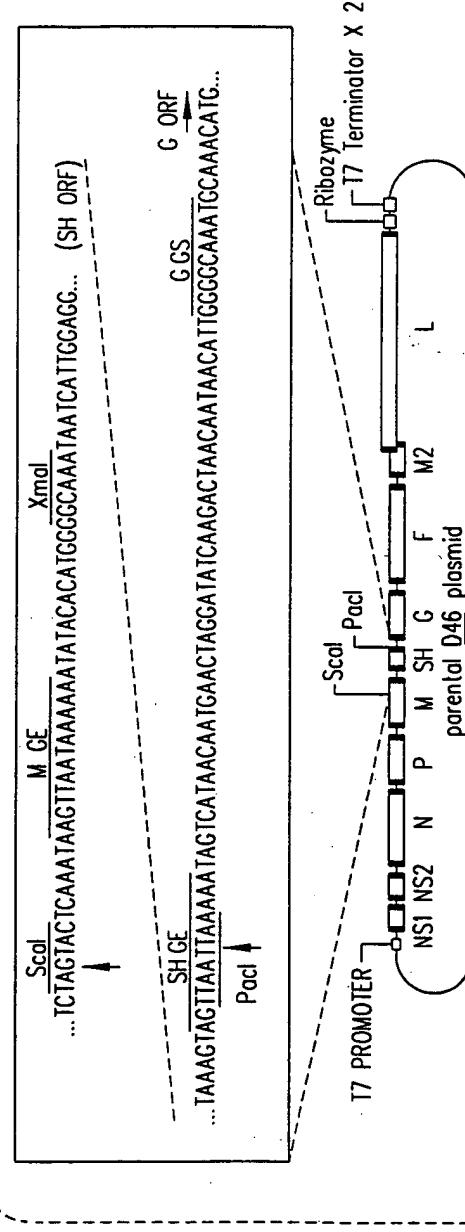
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**FIG. 6**



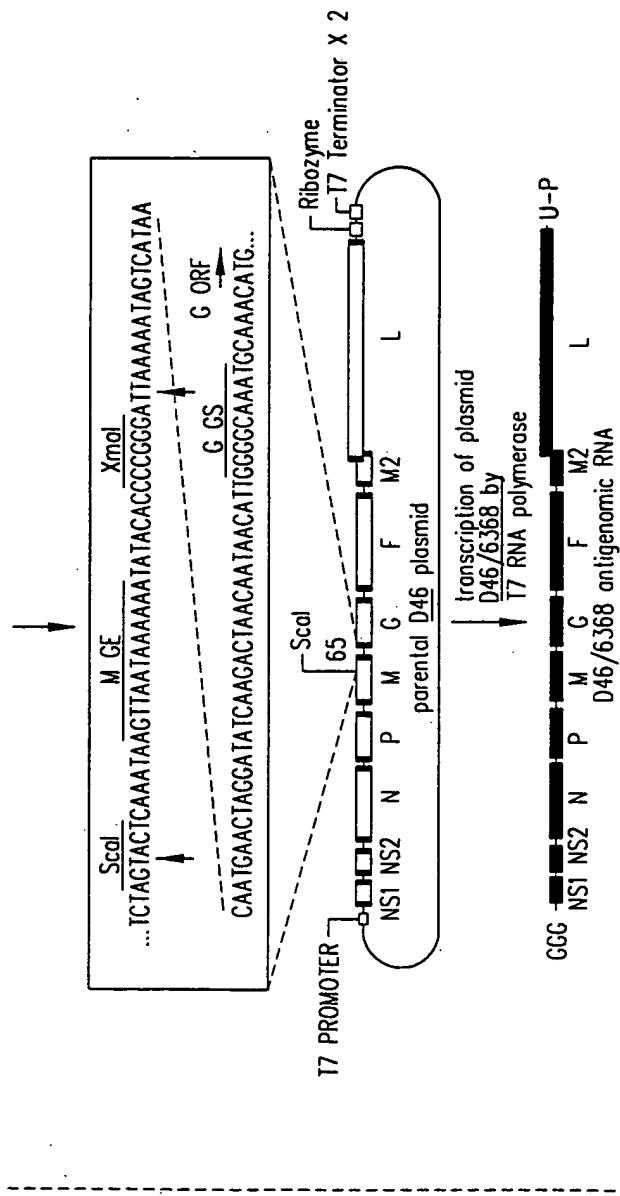
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FIG. 7A



**PRINT OF DRAWINGS  
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**FIG. 7B**



**PRINT OF DRAWINGS  
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FIG. 8

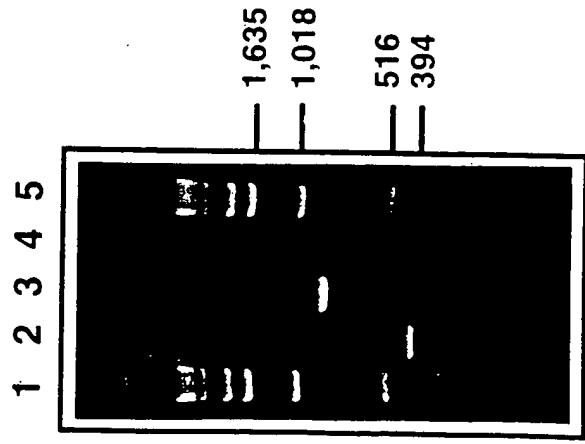


FIG. 10

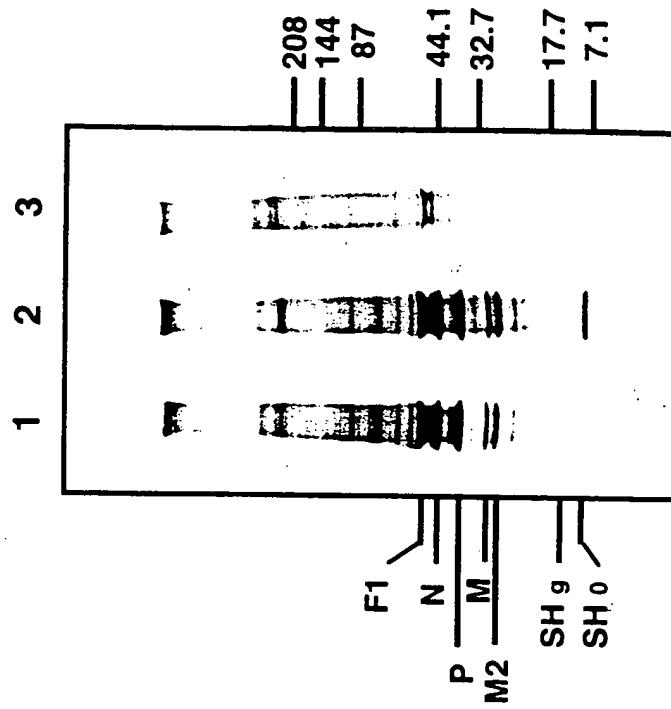


FIG. 9A

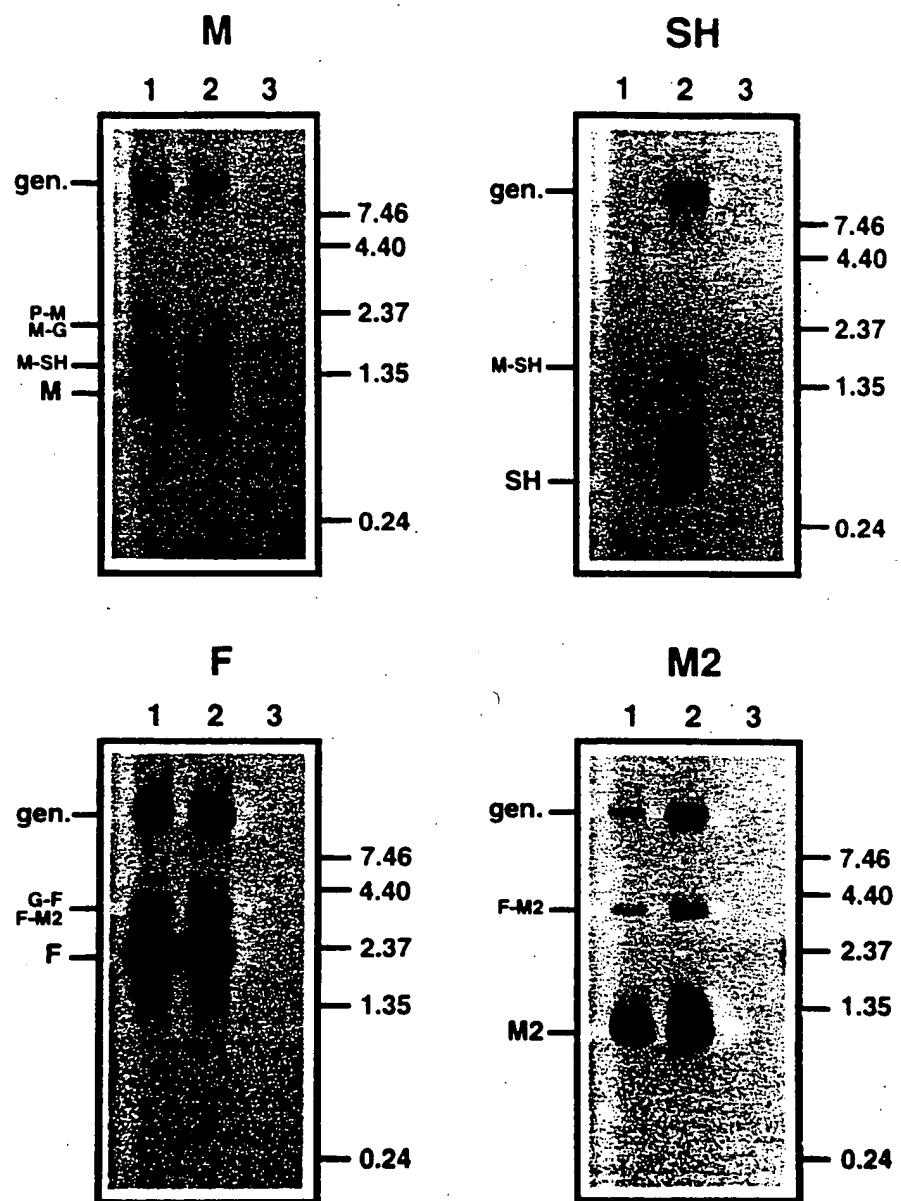
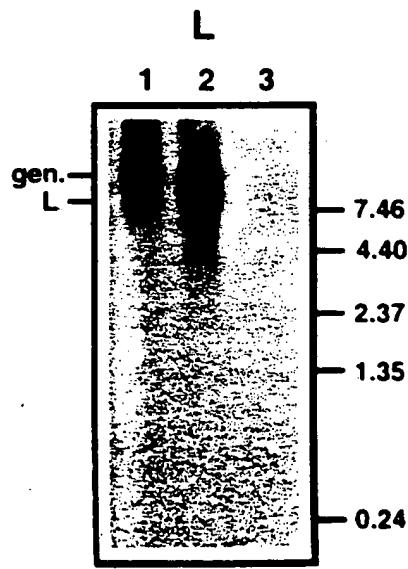
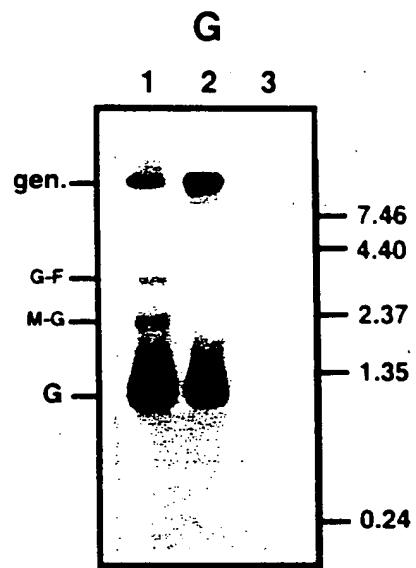
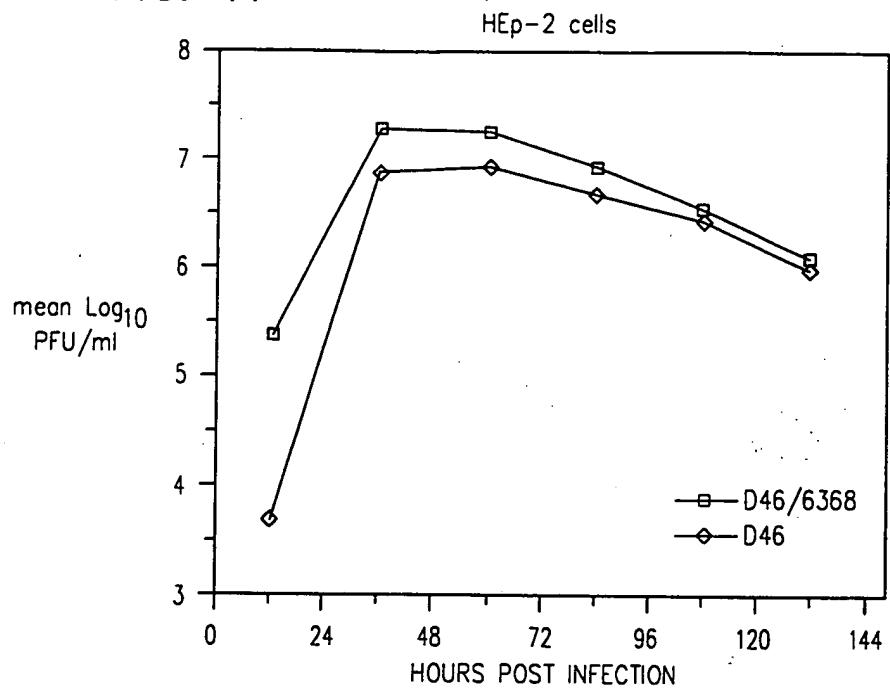


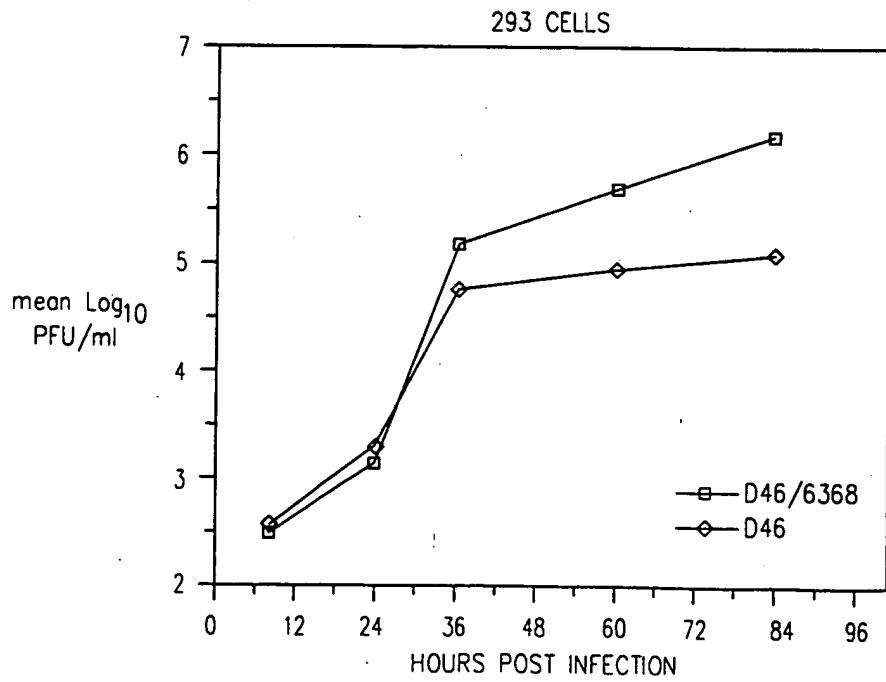
FIG. 9B



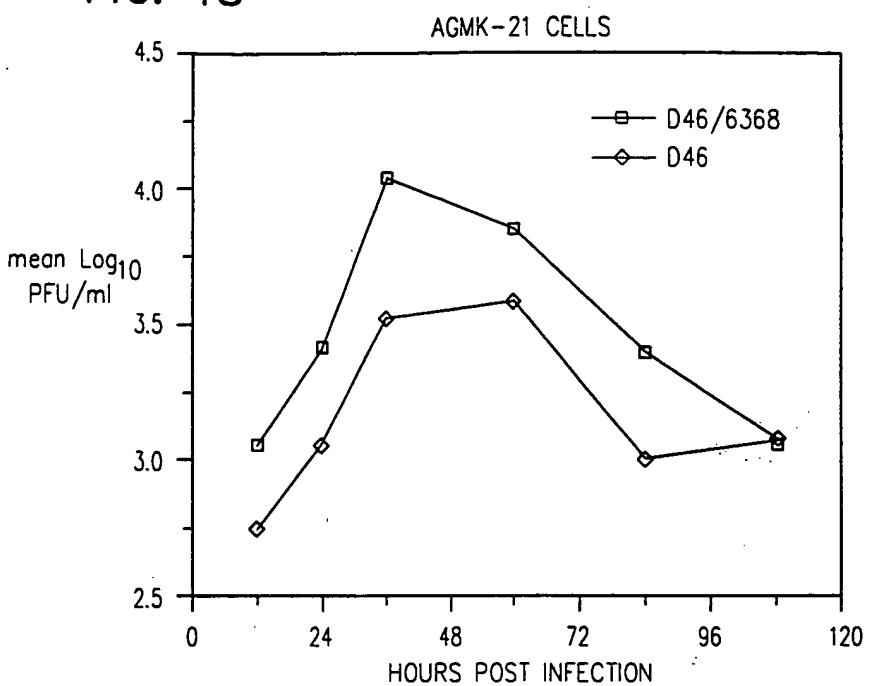
**FIG. 11**



**FIG. 12**



**FIG. 13**



**FIG. 14**

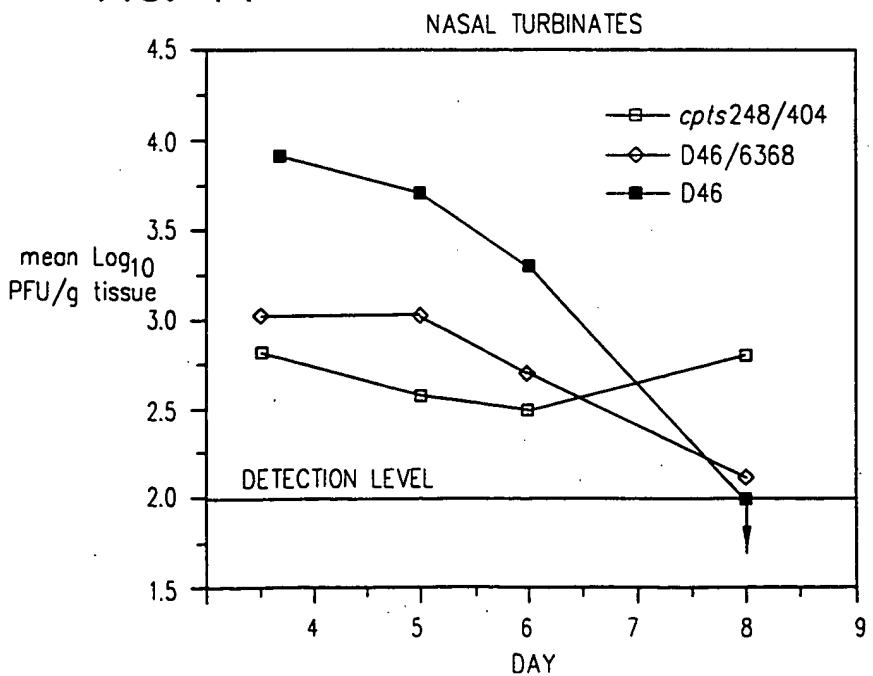


FIG. 15

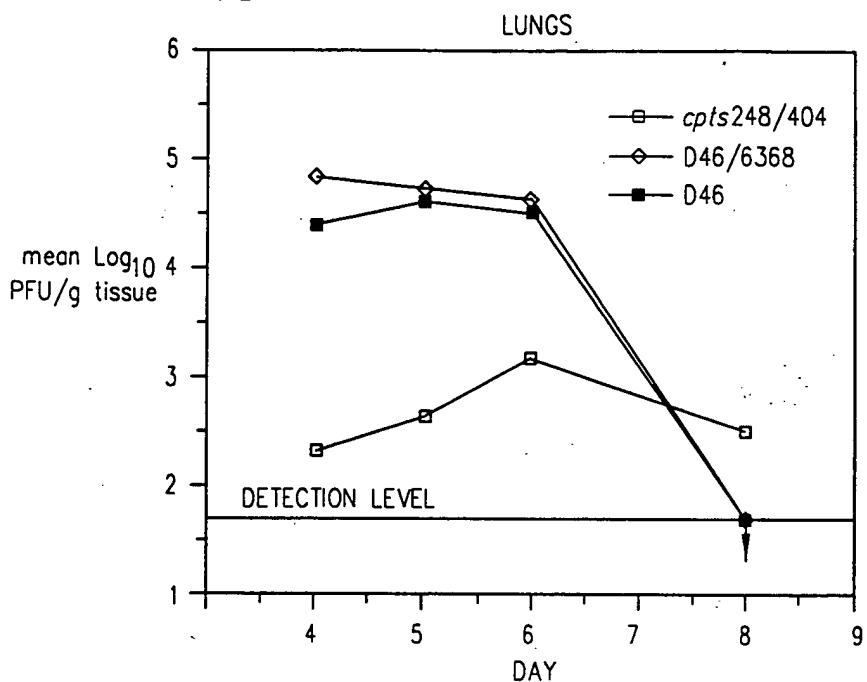


FIG. 16

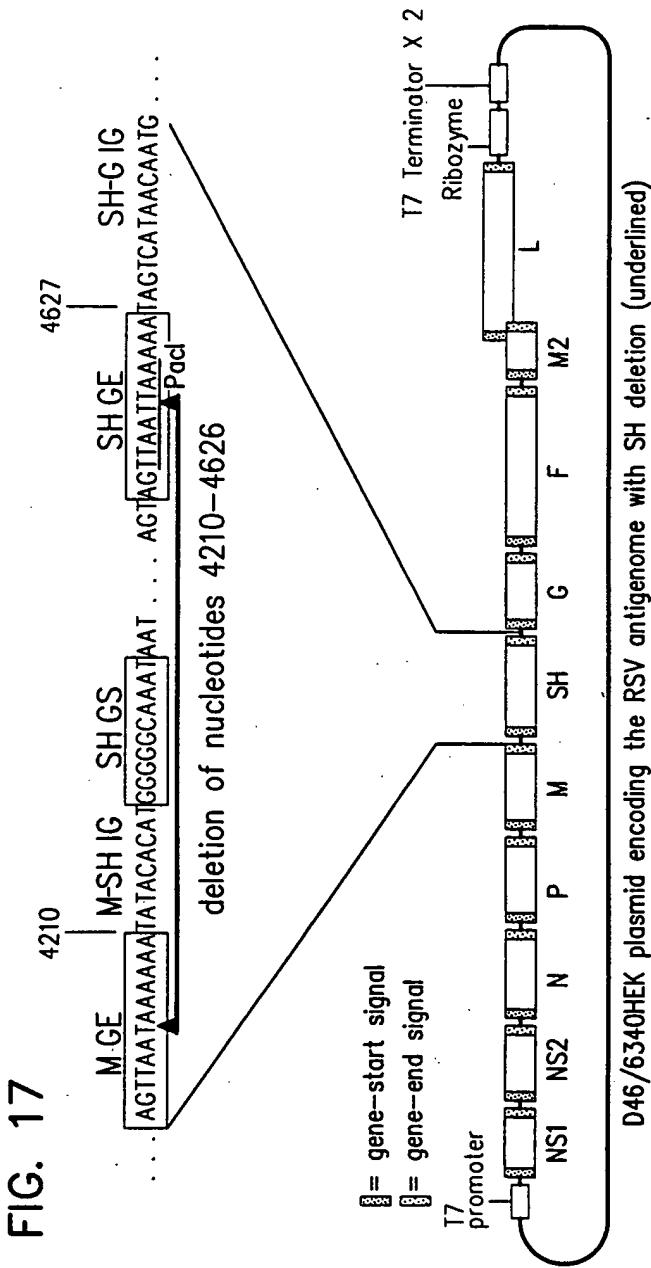
The SH-minus mutant has a steeper gradient of polar transcription

Relative mRNA abundance: SH-minus/wild type

M	G	F	M2	L
1.1	1.3	0.61	0.32	0.17

Positions of genes in 3'-5' map

WT:	5	6	7	10
WT:	3'-M-SH-G-F-M2-L			
SH-minus:	5	6	9	
SH-minus:	3'-M-----G-F-M2-L			



D46/6340HEK plasmid encoding the RSV antigenome with SH deletion (underlined)

וְיָמֵינוּ יְמֵינֵינוּ וְנִמְלְאַתְּ נֶמְלַאתְנוּ וְנִמְלְאַתְּ נֶמְלַאתְנוּ

FIG. 18

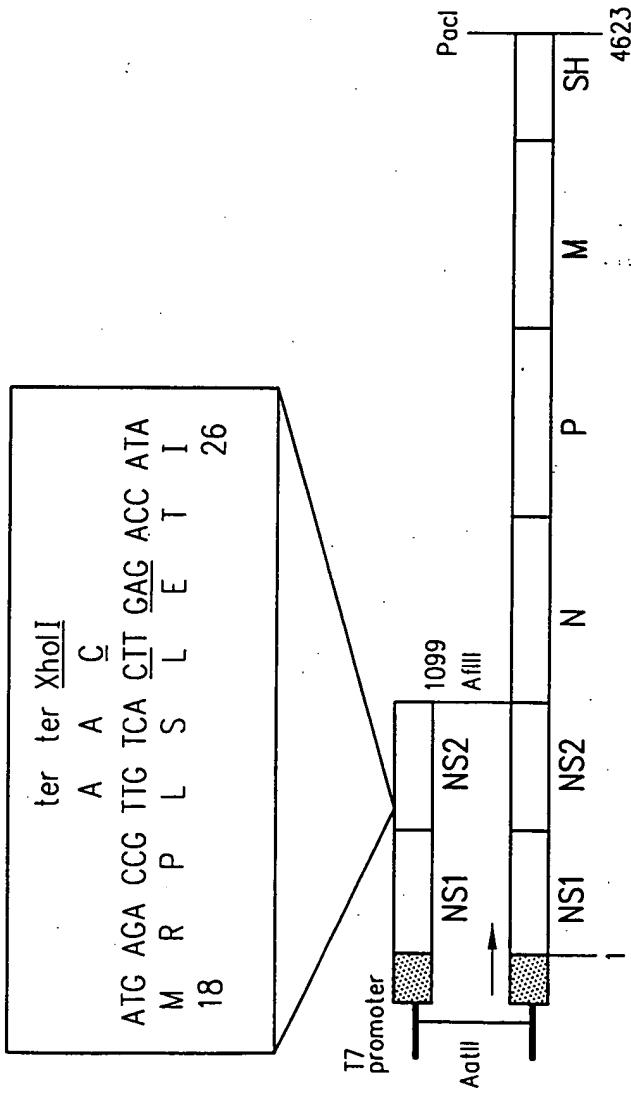


FIG. 19

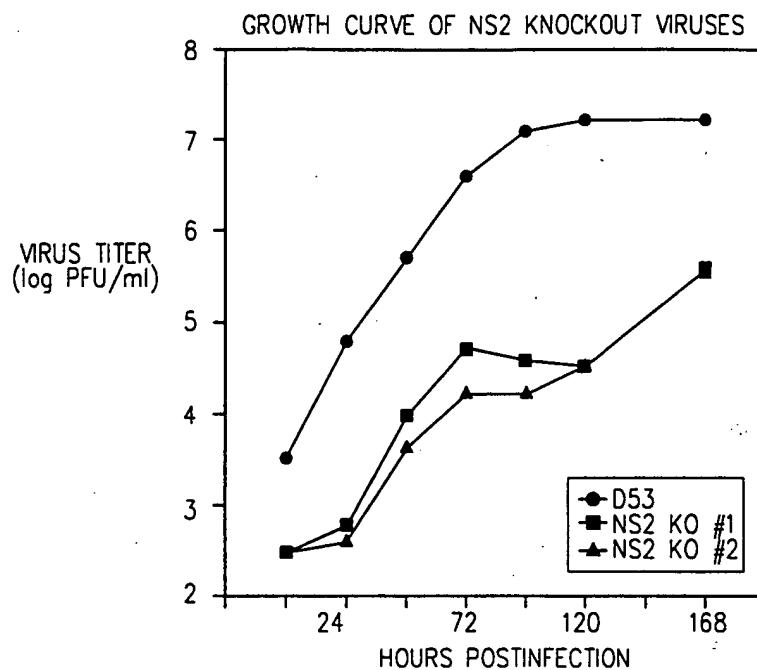


FIG. 24

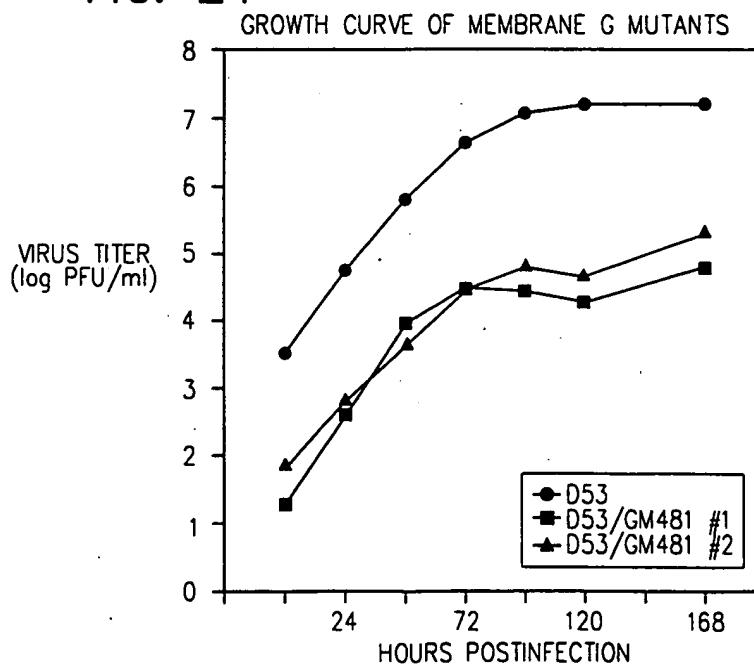
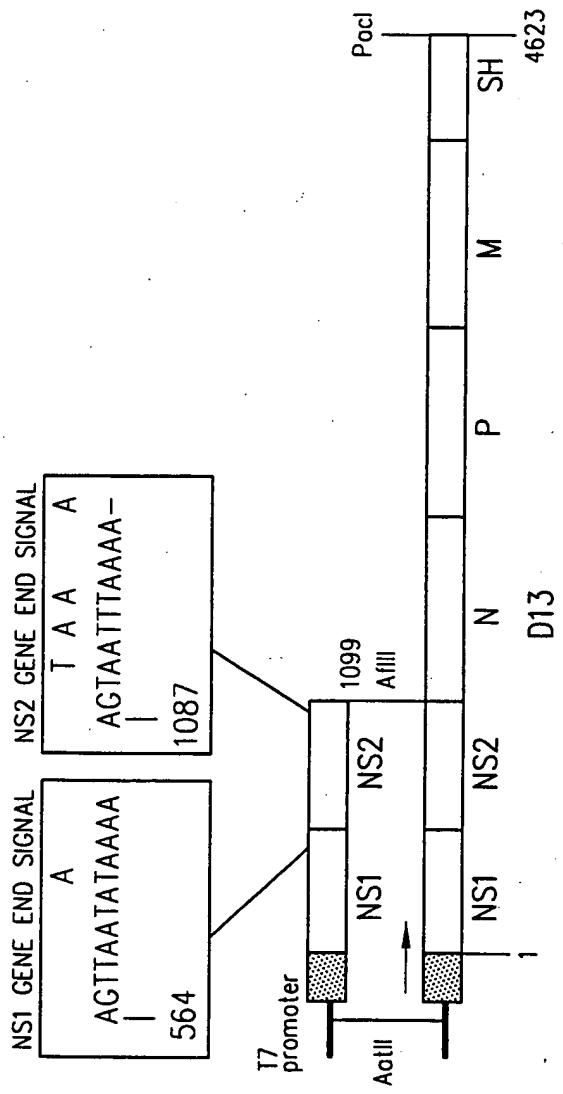


FIG. 20



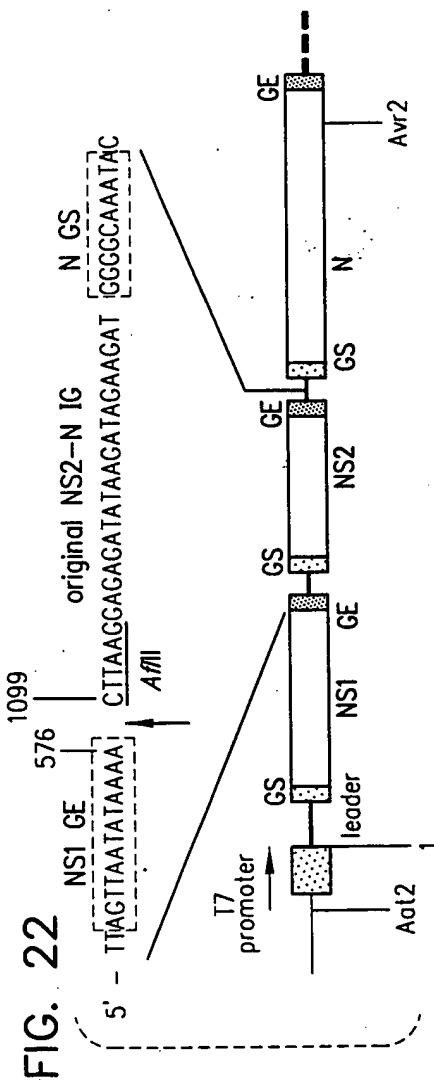
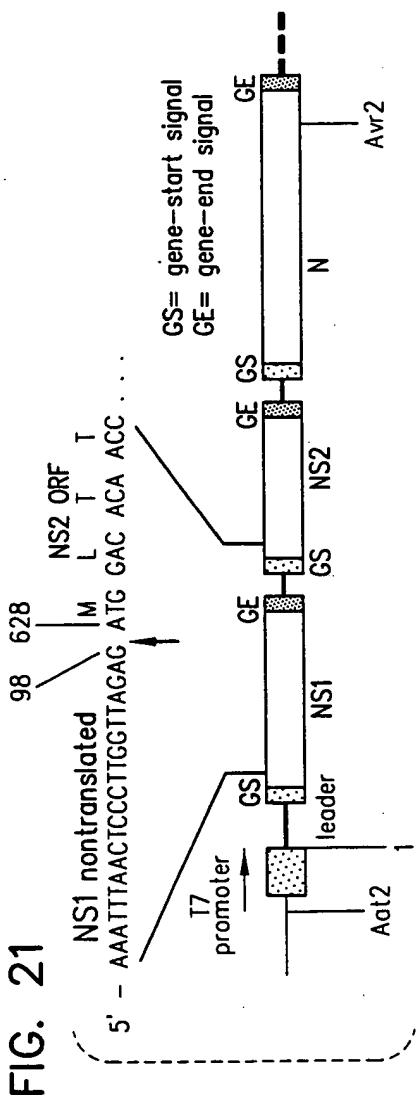
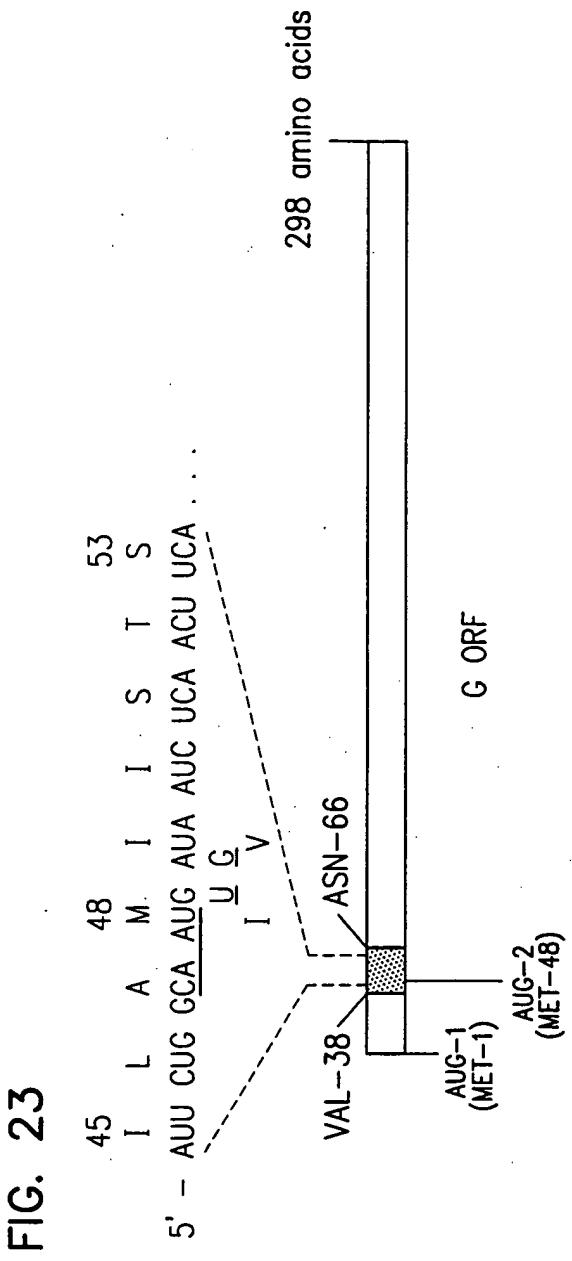


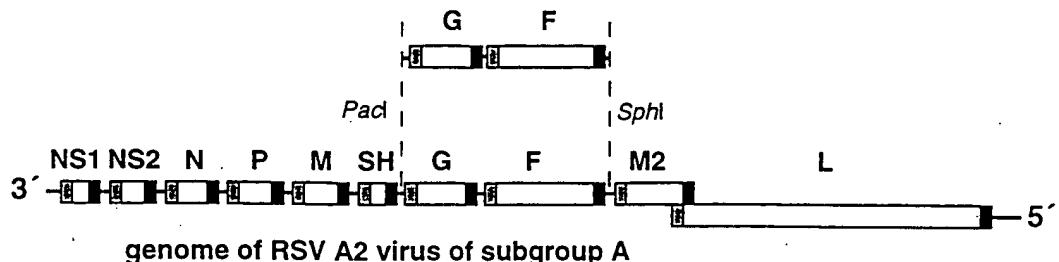
FIG. 23



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**Fig. 25A**

**G and F genes of B1  
virus of subgroup B**



**Fig. 25B**

4630  
SH GE | SH-G IG  
...actataaaagtatgttaattaaaaatTAACATAATGATGAATTAT...  
*PacI*

**Fig. 25C**

7559  
F GE | F-M2 IG  
...CTTAACTCATAGTTACATAAAACCTCAAgcatgccagattaacttaccatctg...  
*SphI*

Fig. 26

downstream G ORF

TCC AAC TCT ACT CAG AAC ACT CAG TCC CAC GCC TAATG new  
TCA AAT TCC ACC CAA AAT ACC CAA TCA CAT GCT T---- wt  
S N S T Q N T Q S H A -----

G-F intergenic

G gene-end

F gene-start

MfeI

AGTTATATAAAA- CAATT GGGGCAAATAA... new  
AGTTATTCAAAAA CTACA GGGGCAAATAA... wt

TCTTAGCAGAAAACCGTGACCTATCAAGCAAGAACGAAATTAAACCT  
47-nucleotide deletion

Fig. 27

Replication of chimeric recombinant AB RSVs  
in seronegative juvenile chimpanzees

